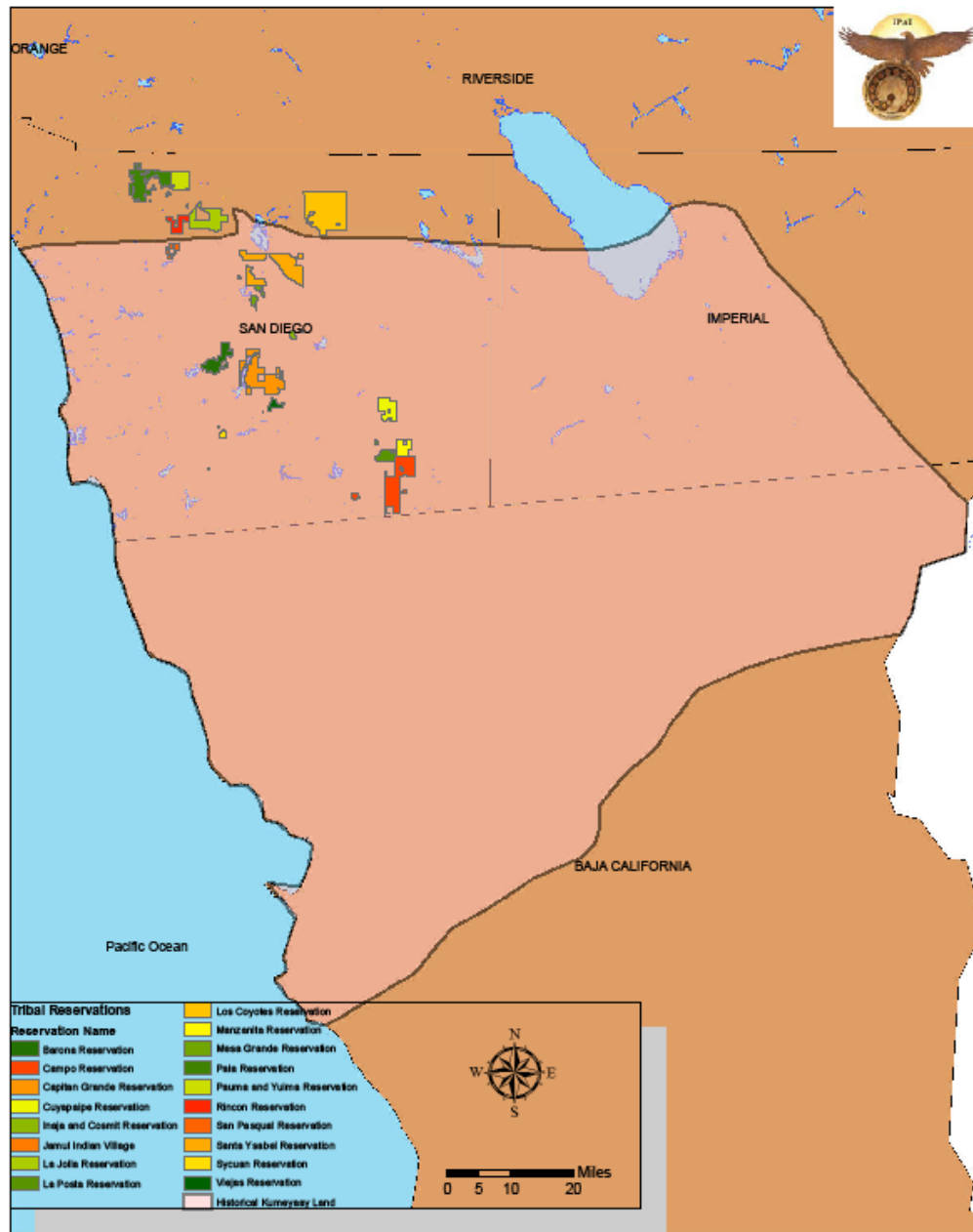


San Pasqual Band of Kumeyaay Indians

California Tribal Water Summit
April 25, 2013



Historical Kumeyaay Land Boundary



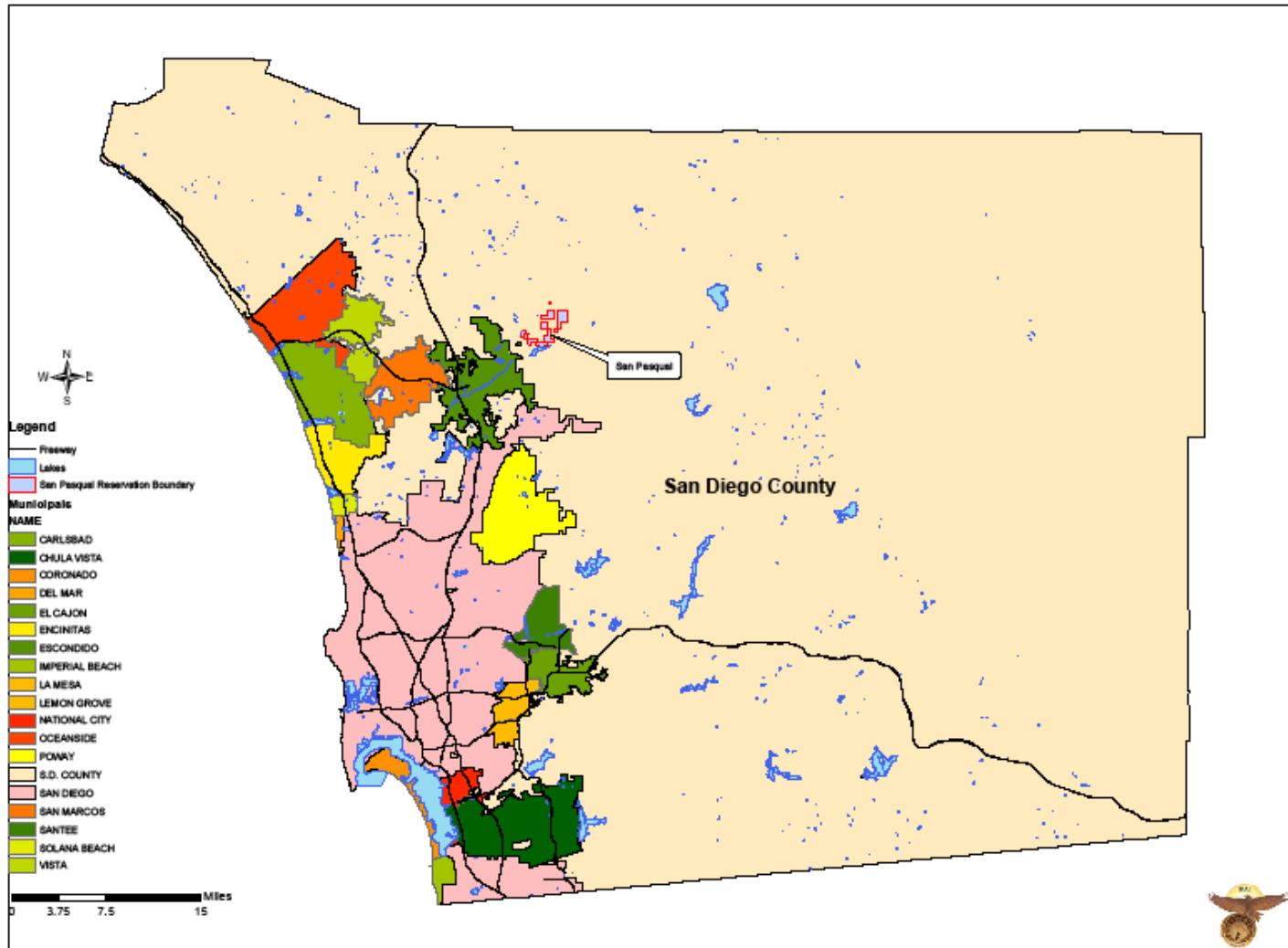
Historical Land Boundary

San Pasqual General Information

- San Pasqual Indian Reservation was established by Presidential decree in 1910.
- The San Pasqual Indian Reservation is located in northeastern San Diego County, California, near Valley Center.
- The San Pasqual Indian Reservation is two miles north of the Rincon Band of Mission Indians, and is nearby several other Indian Reservations including Pauma, Pala, La Jolla, Santa Ysabel, Mesa Grande, Los Coyotes, and Pechanga among others.

San Pasqual Reservation in San Diego

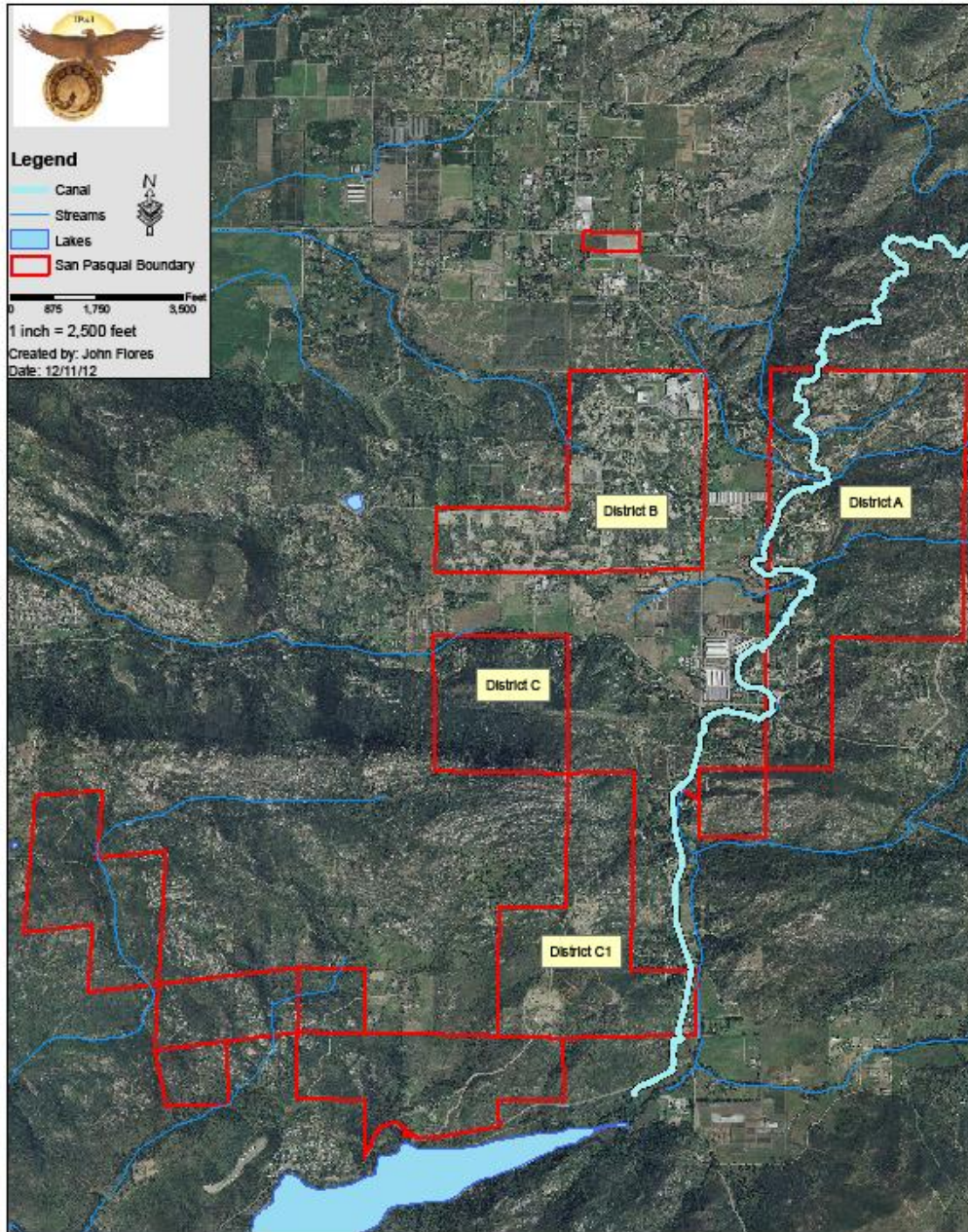
San Pasqual in Relation to San Diego County & Cities



San Pasqual Land and Acreage

- The Reservation encompasses approximately 2,656 acres
- Approximately 1,500 acres of trust land and 1,156 of fee land
- San Pasqual is considered a “checkerboard” Reservation, as it does not occupy one contiguous land mass.
- The San Pasqual Reservation is divided into three non-continuous districts: A, B, and District C.

San Pasqual Reservation

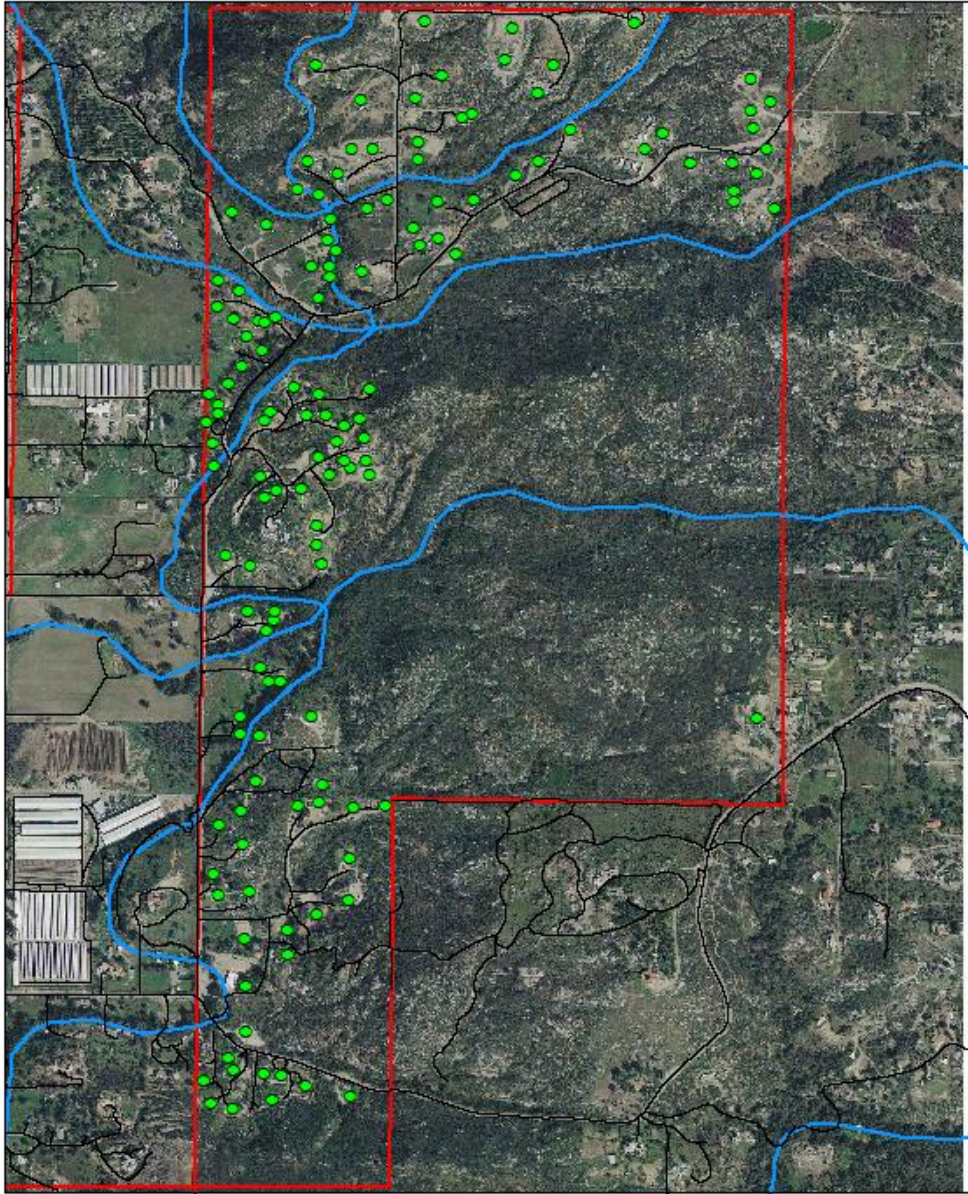


Current
Reservation
(Trust Only)

Tribal Demographics

- Current enrolled Tribal Membership consists of approximately 500 people.
- The Reservation population is approximately 952 total residents, occupying about 290 homes.
- The majority of homes and residents on the Reservation currently reside in Districts A and B, with a small population and clusters of homes on District C.

District A Homes



Legend

- Homes
- Roads
- Streams
- Current San Pasqual Boundary

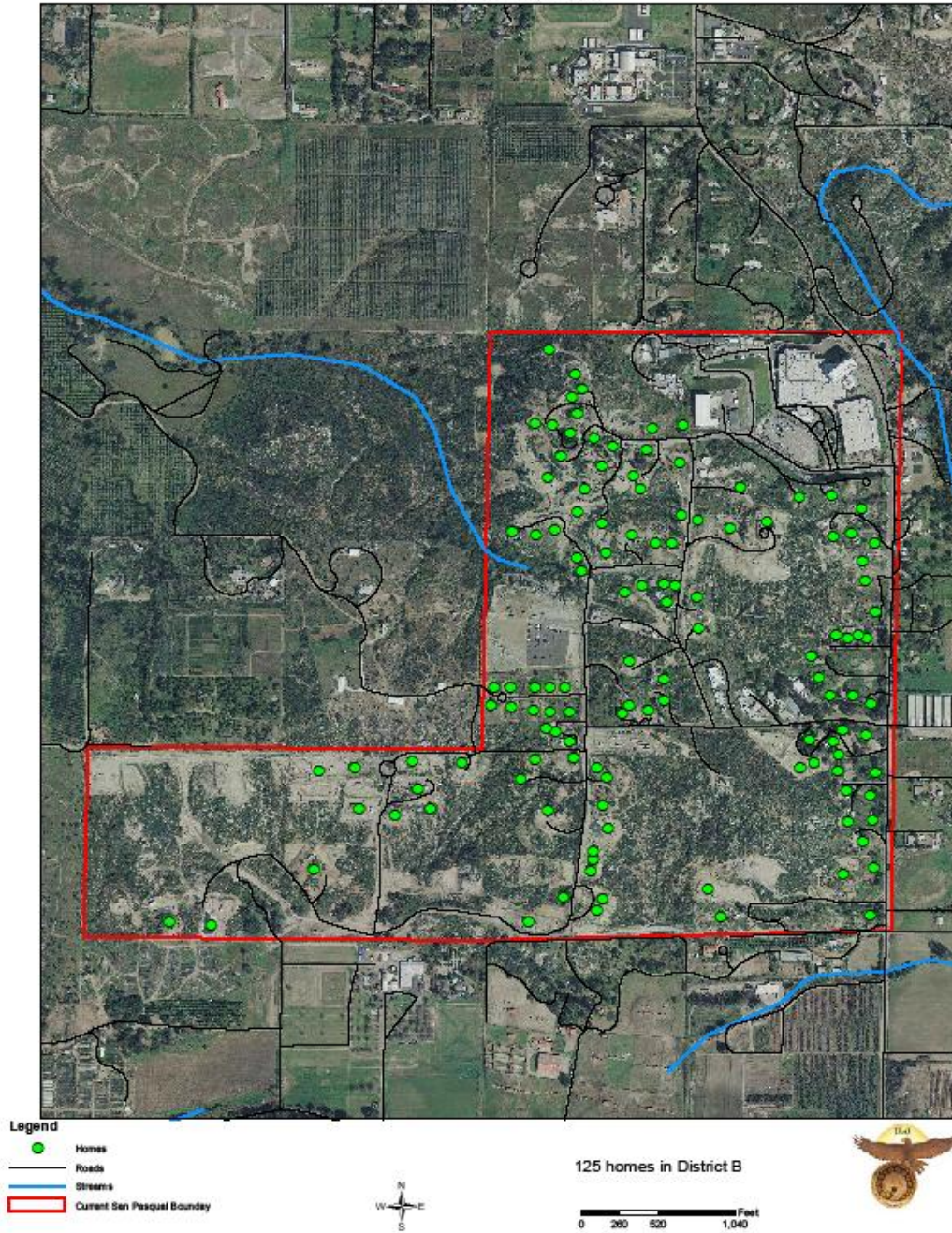
139 homes in District A

0 250 500 1,120 Feet



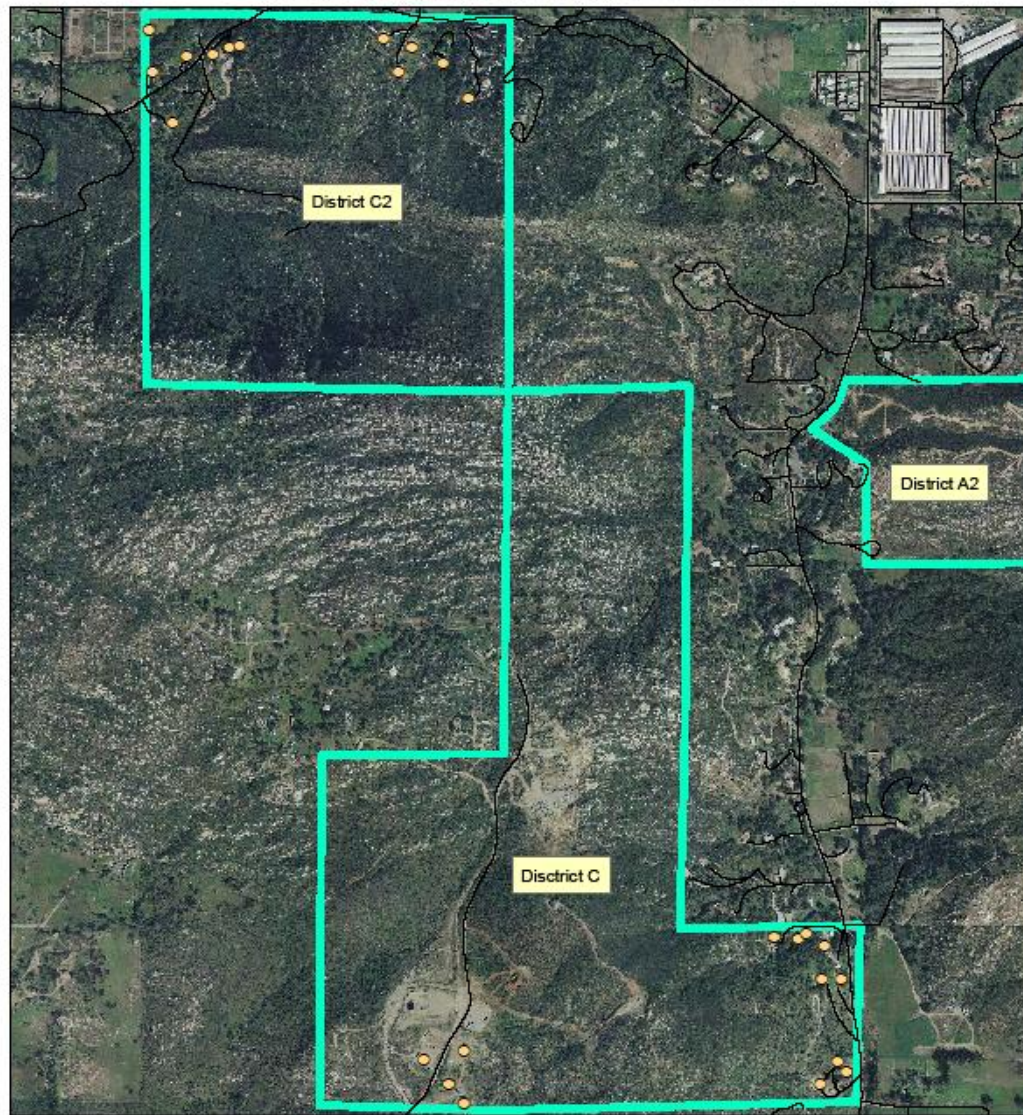
San Pasqual - District A

District B Homes



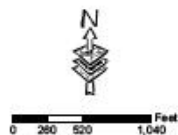
San Pasqual - District B

San Pasqual District C: Homes



Legend

Features	Homes
Name	
Yellow circle	District C
Red circle	Casino
Blue circle	Fire Station
Blue circle	Tribal Hall
Cyan outline	Reservation Boundary
Black line	Roads



Total Homes in District C = 25

Created by: John Flores
Created on: 05/10/12



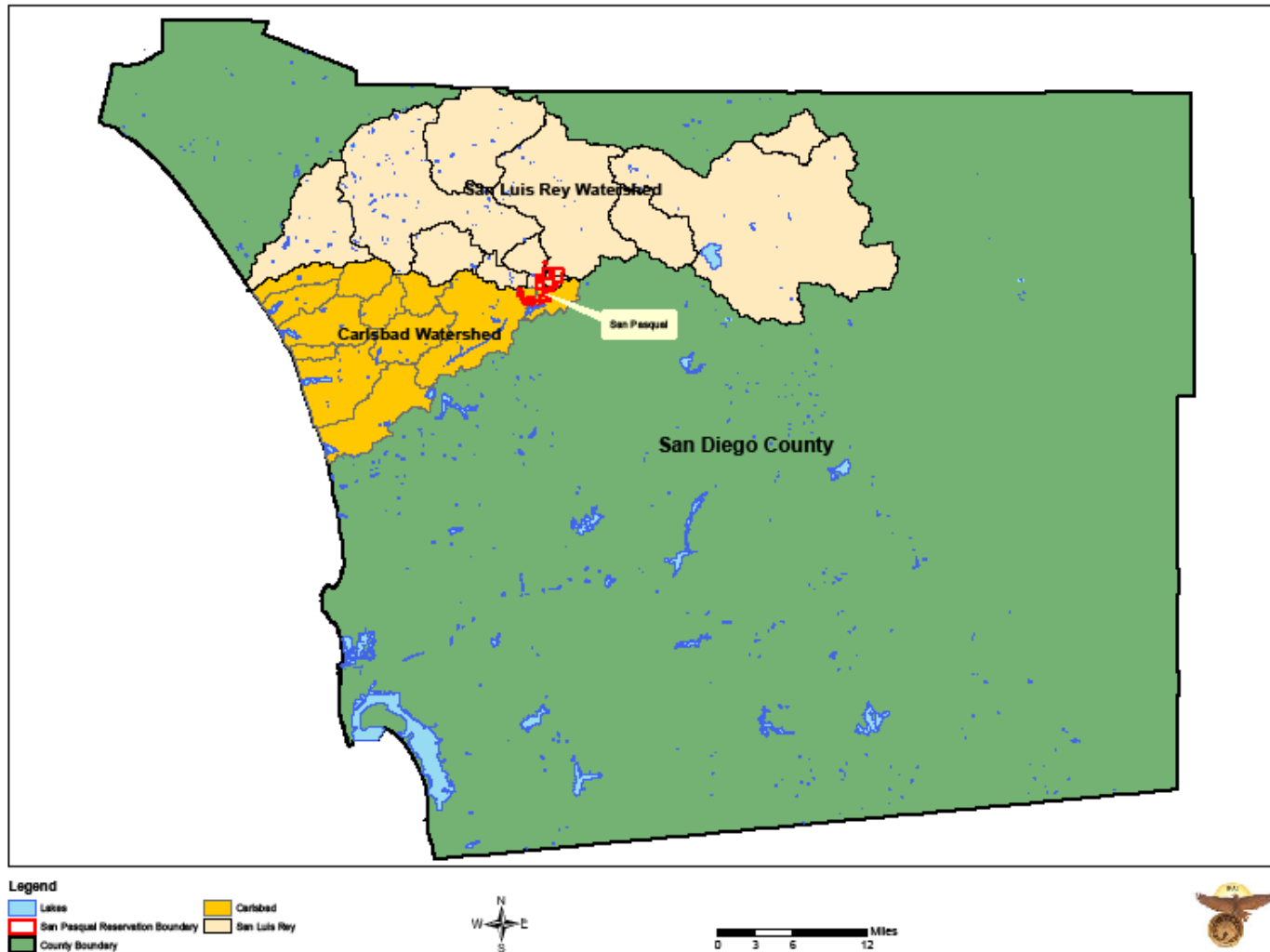
San Pasqual – District C

General Information

- The topography consists of steep slopes and few irrigable lands and the average annual rainfall varies from 10 – 20 inches a year.
- The land is very rocky with lots of granite
- The soils are mostly clay or decomposed granite
- Wastewater is handled through individual home septic systems
- The Reservation is divided between the San Luis Rey and Carlsbad Watersheds
- Only two “major” creeks on the Reservation: Paradise and Woods Valley Creek
- Very little surface water in Districts B & C

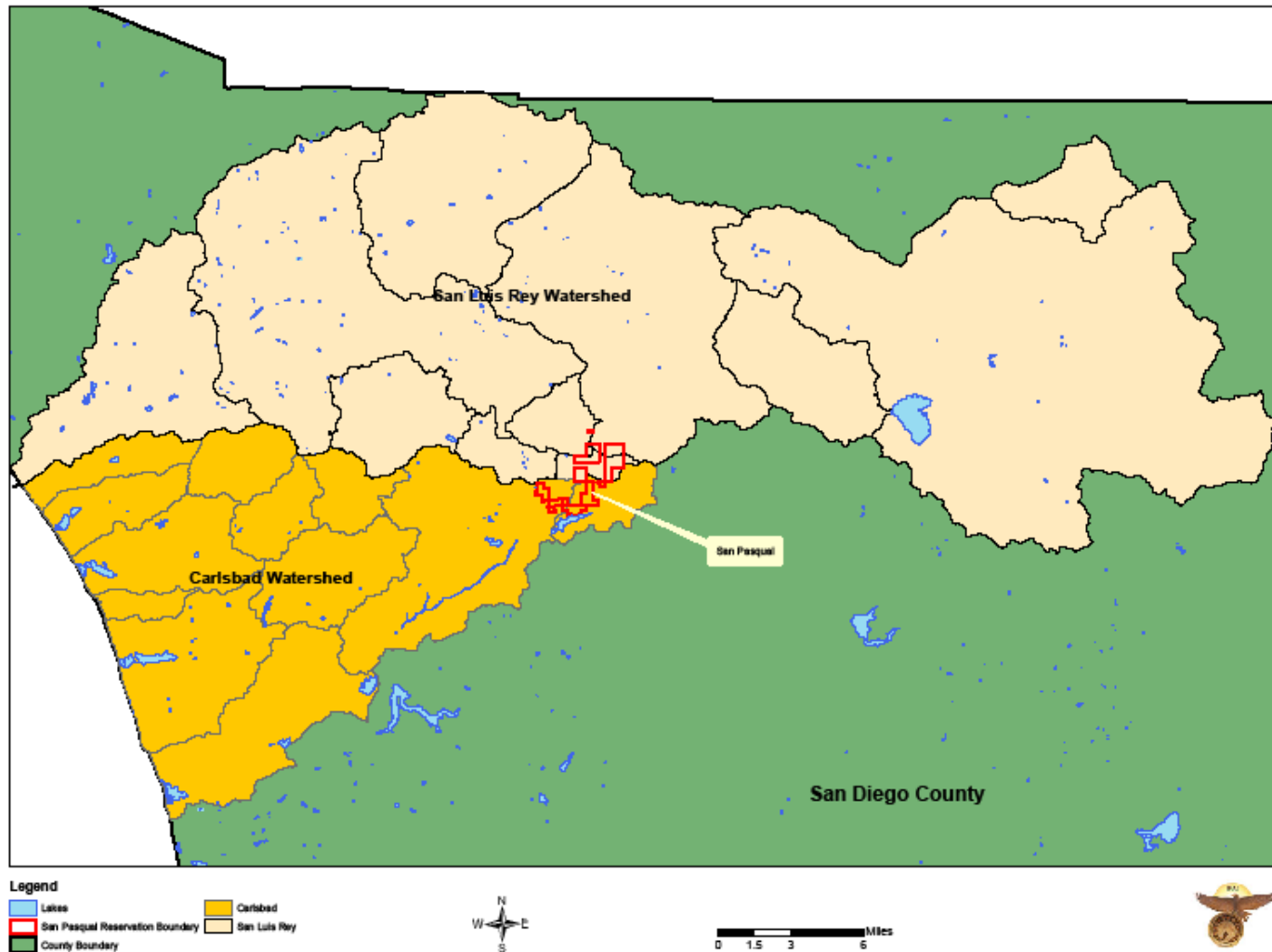
Carlsbad & San Luis Rey Watershed

San Pasqual in Relation to Watersheds

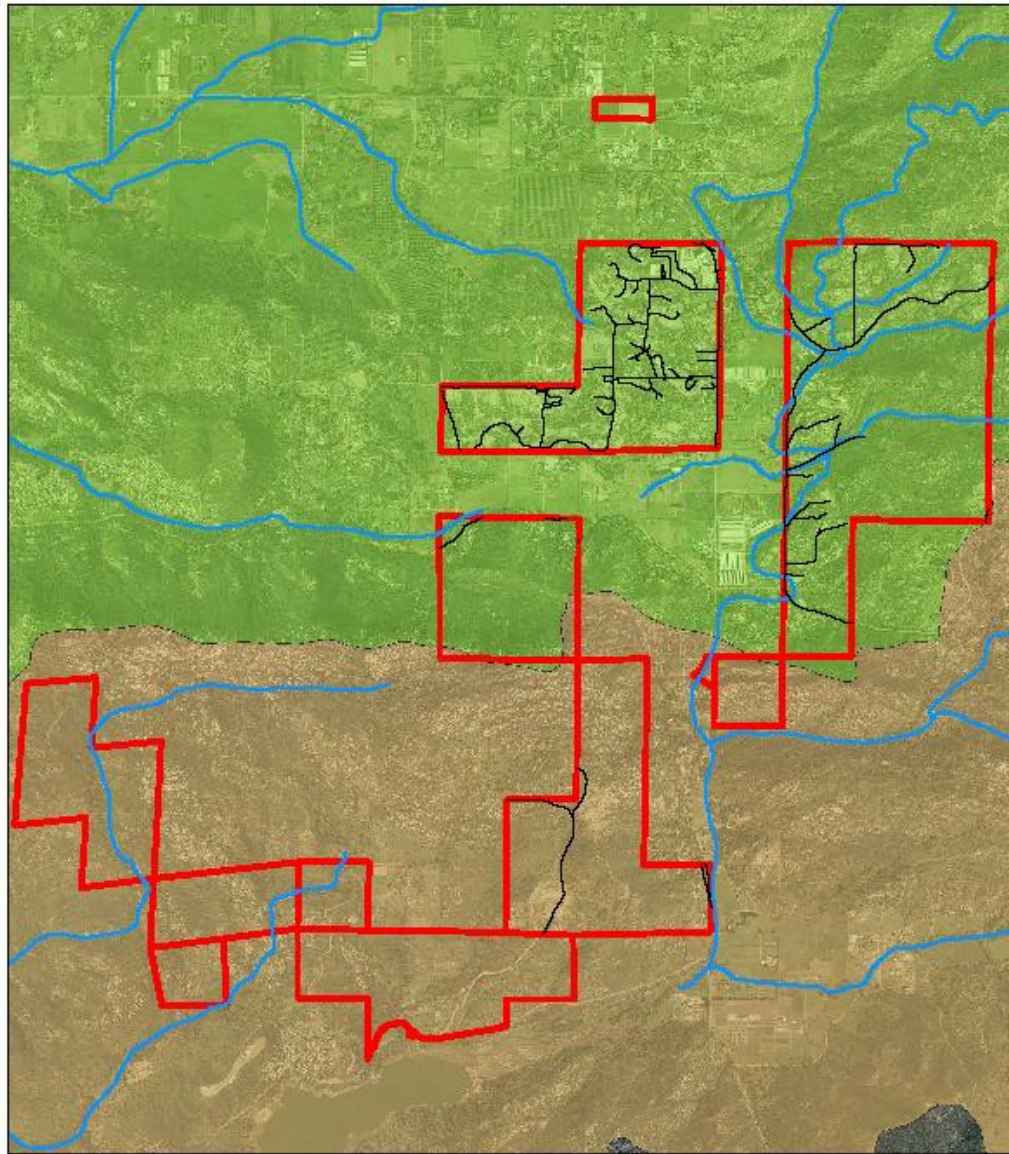


Carlsbad & San Luis Rey Watershed

San Pasqual in Relation to Watersheds



San Pasqual in Relation to Watersheds



Legend

- Roads
 - Streams
 - San Pasqual Boundary
- | Watersheds | |
|--------------|--|
| NAME | |
| CARLSBAD | |
| SAN LUIS REY | |



0 0.15 0.3 0.6 Miles



San Pasqual within
the two watersheds

Domestic Water System

- The Tribe operates a Public Water System serving the Tribal communities in Districts A and B.
- District C is a mix of a private well and municipal water supplies
- All homes have water usage metered, meters are read monthly and are billed each month
- If bills are not paid we send off “Shut-Off Notices”

Water System District A

- 200,000 gallon water tank
- 2 domestic drinking water wells are operated by the Tribe
- Well #3 was off-line from 2003 – 2012. Refurbished in October 2012 and can sustain 25 GPM
- Well #4 brought on line in 2006 and can sustain 65 GPM
- Also have an emergency connection to VCMWD

Water System District B

- 100,000 gallon water tank
- No current domestic drinking water wells in operation
- All of District B domestic drinking water is supplied by VCMWD water connection
- A well was drilled in early 2000 to offset the need to be totally dependent on Valley Center water
- Unfortunately, this well could not meet drinking water standards

District C

- The majority homes have direct water connections to VCMWD
- One small well provides water to 5 homes
- Looking for more water sources in District C

Land rich, water poor

- San Pasqual is water insecure
- Relies too much on VCMWD
- The water supply is at further risk due to:
 - Climate change
 - Population growth
 - Invasive plants
 - Water Waste

What is the solution!?!?

- Dig more wells!!
 - May not hit water or usable water
- Rain water harvesting
 - Little to no rain in the summer months
 - Needs some treating in order to drink
- Reclaimed water from the casino for irrigation
 - Negative public perception
- Promote native and drought resistant plants



The solutions are tough but.....

- The alternative is not an option
- Which leads to this.....



Water is Life

- Life Grows Where Clean Water Flows
- What is land without water?

